Listing of Claims

Claim 1 (currently amended): A method comprising:

a) applying an imaging composition comprising one or more ~~sensitizers~~ cyclopentanone based conjugated photosensitizers to a work piece; and

b) projecting a 3-D image onto the imaging composition with a sufficient amount of energy to affect a color or shade change in the imaging composition to form an image.

Claim 2 (original): The method of claim 1, wherein the 3-D image is selectively projected on the imaging composition.

Claim 3 (canceled)

Claim 4 (original): The method of claim 1, wherein the imaging composition further comprises reducing agents, oxidizing agents, color formers, film forming polymers, plasticzers, flow agents, organic acids, chain transfer agents, adhesion promoters, adhesives, surfactants, rheology modifiers, thickeners, and diluents.

Claim 5 (currently amended): A method comprising:

a) applying an imaging composition comprising one or more ~~sensitizers~~ cyclopentanone based conjugated photosensitizers to a work piece;

b) providing a 3-D imaging system for projecting a 3-D image onto the imaging composition;

c) measuring a distance between a projector of the 3-D imaging system and at least one reference sensor on the work piece;

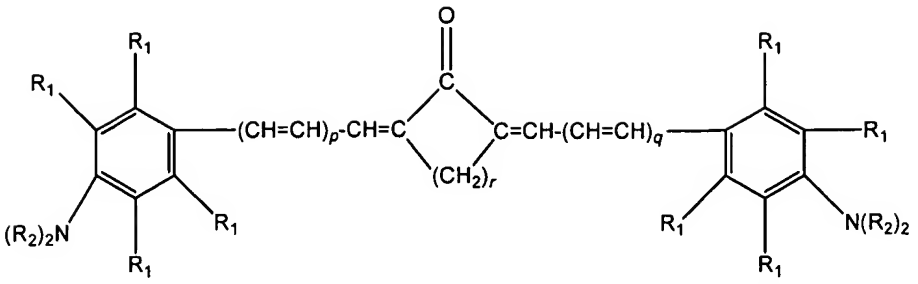
d) applying algorithms to position the 3-D image onto the imaging composition; and

e) applying the 3-D image onto the imaging composition with a sufficient amount of energy to affect a color or shade change in the imaging composition to form an image.

Claim 6 (original): The method of claim 5, wherein the algorithms are coordinate system transforms.

Claim 7 (original): The method of claim 5, wherein the distance between the projector and the at least one reference sensor on the work piece is determined by a range-finding system.

Claim 8 (currently amended): The method of claim 5, wherein the one or more ~~sensitizers has~~ cyclopentanone based conjugated photosensitizers have a formula:



(I)

where p and q independently are 0 or 1, r is 2 or 3; R_1 is independently hydrogen, linear or branched (C_1-C_{10})aliphatic, or linear or branched (C_1-C_{10})alkoxy; and R_2 is independently hydrogen, linear or branched (C_1-C_{10})aliphatic, (C_5-C_7) ring, alkaryl, phenyl, linear or branched (C_1-C_{10})hydroxyalkyl, linear or branched hydroxy terminated ether, or the carbons of each R_2 may be taken together to form a 5 to 7 membered ring with the nitrogen, or a 5 to 7 membered ring with the nitrogen and with a second heteroatom chosen from oxygen, sulfur, or a second nitrogen.

Claim 9 (currently amended): The method of claim 5, wherein the 3-D imaging system projects a 3-D image on the imaging composition at ~~intensities~~ powers of 5 mW or less.

Claim 10 (original): The method of claim 5, wherein the amount of energy is at least 0.2mJ/cm^2.